

The only Windows®-compatible 64-bit PC processor



I want to be standing
at the leading edge of
performance
when the
next wave hits.

AMD
me.



Introducing the AMD Athlon™ 64 processor

Where will you be when the 64-bit future arrives? With the AMD Athlon 64 processor – **the only Windows®-compatible 64-bit PC processor** – you can be at the forefront of today's technology. You'll enjoy unparalleled performance on your current 32-bit software. At the same time, your system will be completely ready for the coming wave of larger, more powerful applications. In fact, revolutionary **AMD64 technology** enables PCs to support today's and tomorrow's software at the same time. And with additional innovations such as **HyperTransport™ technology** and an **integrated DDR memory controller**, you'll notice the enhanced performance on power-hungry software right away.

Check out the reverse side for more details.

The AMD Athlon™ 64 processor



Get your hands on a technically superior PC processor

- The only Windows®-compatible 64-bit PC Processor
- Revolutionary AMD64 processor design

Enjoy industry-leading performance today, with readiness for the future

- Breakthrough performance for current software
- Built-in support for next-generation AMD64 software, when you're ready

Escape into an astonishing, true-to-life digital entertainment experience

- Movie-like gaming experience
- Ready for the next wave of 3D interactive games

Enjoy future-forward notebook computing

- The most advanced PC processor for notebook computing
- Full wireless compatibility
- AMD PowerNow!™ technology for enhanced system battery life – the most dynamic power-management solution available

Competitive comparison

Features	AMD Athlon™ 64 processor	Intel Pentium® 4 processor
64-bit Instruction Set Support	Yes, AMD64 technology	No
32-bit Instruction Set Support	Yes	Yes
System Bus Technology	HyperTransport™ technology	Front Side Bus
Integrated DDR Memory Controller	Yes	No
Total Processor-to-System Bandwidth	Up to 1600MHz	Up to 800MHz
Total Effective Cache	1152KB	512KB
3DNow! Professional technology	Yes	No